

5                   **PROCESS FOR THE PRODUCTION OF AN OLEFIN OXIDE**

ABSTRACT

10   A process for the production of an olefin oxide, which  
process comprises reacting a feed comprising an olefin  
and oxygen in the presence of a silver-containing  
catalyst, wherein before the catalyst has reached an  
advanced stage of ageing the reaction temperature is  
15   above 255 °C and the olefin content of the feed is above  
25 mole-%, relative to the total feed.